

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for tuft and filament binding to an unfinished carpet to provide a coated carpet, which comprises
applying a coating composition which comprises from 50% to 100% by weight of one or more substantially amorphous poly- α -olefins as a melt to the backside of the unfinished carpet in a coating weight amount of from 20 to 1,500 g/m² to bind the tuft and filament to the unfinished carpet,

wherein the melt viscosity of the coating composition at 190°C is from 200 mPas to 20,000 mPas, and wherein the substantially amorphous poly- α -olefin comprises at least one selected from the group consisting of atactic poly-1-butene, propene-ethene copolymer, propene-1-butene copolymer, 1-butene-ethene copolymer and propene-1-butene-ethene terpolymer, and wherein the substantially amorphous poly- α -olefin has an enthalpy of fusion of at least 2 J/g and not more than 100 J/g.

Claim 2 (Original): The process according to claim 1, wherein the substantially amorphous poly- α -olefin comprises polymerized monomer units of
from 0% to 100% by weight of one or more poly- α -olefins having 4 to 10 carbon atoms,

from 0% to 100% by weight of propene, and
from 0% to 20% by weight of ethene.

Claim 3 (Original): The process according to claim 1, wherein the substantially amorphous poly- α -olefin comprises polymerized monomer units of

from 0% to 80% by weight of one or more poly- α -olefins having 4 to 10 carbon atoms,

from 20% to 100% by weight of propene, and

from 0% to 20% by weight of ethene.

Claim 4 (Canceled).

Claim 5 (Currently Amended): The process according to claim 1, wherein the substantially amorphous poly- α -olefin has a softening point between 70 and ~~150°C~~ 165°C, a melt viscosity between 2,000 and 200,000 mPas at 190°C, a density of less than 0.90 g/cm³ and a needle penetration between 3 and 50 x 0.1 mm.

Claim 6 (Original): The process according to claim 1, wherein the coating composition comprises from 60% to 98% by weight of the substantially amorphous poly- α -olefin.

Claim 7 (Original): The process according to claim 1, wherein the coating composition further comprises one or more of

from 0% to 5% by weight of a crystalline polyolefin,

from 0% to 40% by weight of a resin,

from 0% to 35% by weight of fillers or pigments,

from 0% to 10% by weight of a flame retardant other than magnesium hydroxide or aluminum hydroxide, or

from 0% to 15% by weight of a wax.

Claim 8 (Original): The process according to claim 1, wherein the coating composition further comprises from 0% to 10% by weight of wax.

Claim 9 (Original): A process according to claim 1, wherein the coating composition further comprises from 0% to 7% by weight of wax.

Claim 10 (Original): A carpet produced by the process of claim 1.

Claim 11 (Original): The process according to claim 1, wherein the coating composition is applied at a temperature of from 100 to 190°C.

Claim 12 (Previously Presented): The process according to claim 1, wherein the coated carpet is cured without drying.

Claim 13 (Original): The process according to claim 1, wherein the coating composition hardens below 100°C.

Claim 14 (Original): The process according to claim 1, wherein the carpet comprises polypropylene.

Claim 15 (Original): The process according to claim 1, further comprising heating the carpet before applying the coating composition.

Claim 16 (Original): The process of claim 1, wherein the coating composition is maintained at a temperature above its melting point after application to the carpet.

Claim 17 (Original): The process according to claim 1, wherein the coating composition hardens without evaporation of a solvent.

Claim 18 (Original): The process according to claim 1, wherein the coating composition does not contain water.

Claim 19 (New): The process according to claim 1, wherein the enthalpy of fusion is at least 4 J/g.

DISCUSSION OF THE AMENDMENT

Claim 1 has been amended by inserting an enthalpy of fusion limitation, as supported in the specification at page 3, line 29 through page 4, line 2. Claim 5 has been amended back to its original presentation regarding maximum softening point. New Claim 19 has been added to claim a preferred embodiment thereof.

No new matter is believed to have been added by the above amendment. Claims 1-3 and 5-19 are now pending in the application.